

FORM PTO-1449 U.S. Department of Commerce  
(Rev. 4/92) Patent and Trademark Office

ATTY. DOCKET NO.  
APV31637

SERIAL NO.

To be assigned 10/621,601

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

07/18/2003

(Use several sheets if necessary)

APPLICANT

Jacques Hubert Olga Joseph WIJENBERG et al.

FILING DATE

July 18, 2003

GROUP

1775

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
RRK.	2 8 2 1 5 0 5	01/58	Beach			
RRK.	6 3 7 9 8 1 8	04/02	Mooij et al.			
RRK.	6 3 9 1 4 7 6	05/02	Wittebrood et al.			
RRK.	6 3 8 3 6 6 1	05/02	Wittebrood et al.			
RRK.	6 5 0 3 6 4 0	01/03	Wittebrood et al.			
RRK.	6 5 6 8 5 8 4	05/03	Wittebrood et al.			
RRK.	5 9 6 1 8 5 3	10/99	Thomton			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
RRK.	0 2 0 6 0 6 3 9	08/02	WO				
RRK.	0 2 3 8 3 2 6	05/02	WO				
RRK.	0 1 6 8 3 1 2	09/01	WO				
RRK.	0 0 7 1 7 8 4	11/00	WO				
RRK.	0 1 8 8 2 2 6	11/01	WO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

RRK.	US Pat. App. Pub. No. US 2002/0175205 (Serial No. 10/060,117), filed Jan. 31, 2002, Wittebrood et al.
RRK.	US Pat. App. Pub. No. US 2003/0098338 (Serial No. 09/990,507), filed Nov. 21, 2001, Dockus et al.
RRK.	US Pat. App. Pub. No. US 2002/0088717 (Serial No. 09/984,968), filed Oct. 31, 2001, Wittebrood et al.
RRK.	US Pat. App. Pub. No. US 2003/0064242 (Serial No. 10/230,429), filed Aug. 29, 2002, Wittebrood et al.
RRK.	US Pat. App. Pub. No. US 2003/0091856 (Serial No. 10/042,752), filed Dec. 20, 2002, Wittebrood et al.
RRK.	US Pat. App. Pub. No. US 2003/0042146 (Serial No. 10/125,583), filed Apr. 19, 2002, Wijenberg et al.
RRK.	ASTM G-85 (1990) (no month given).

EXAMINER

Robert R. Koehler

DATE CONSIDERED

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RRK.	2 7 4 5 7 9 9	05/56	Patrie			
RRK.	2 8 2 1 0 1 4	01/58	Miller			
RRK.	3 4 8 2 3 0 5	12/69	Dockus et al			
RRK.	3 4 8 9 6 5 7	01/70	Brenan et al			
RRK.	3 5 9 7 6 5 8	08/71	Rivera			
RRK.	3 9 6 3 4 5 4	06/76	Singleton, Jr.			
RRK.	3 9 7 0 2 3 7	07/76	Dockus			
RRK.	4 0 2 8 2 0 0	06/77	Dockus			
RRK.	4 1 5 7 1 5 4	06/79	Scott et al			
RRK.	4 1 6 4 4 5 4	08/79	Schober			
RRK.	4 3 8 8 1 5 9	06/83	Dockus et al			
RRK.	4 6 0 2 7 3 1	06/86	Dockus			
RRK.	4 7 2 1 6 5 3	01/88	Oda et al			
RRK.	4 7 4 1 8 1 1	05/88	Lefebvre et al			
RRK.	5 0 6 9 9 8 0	12/91	Namba et al			
RRK.	5 2 4 5 8 4 7	09/93	Bando et al			
RRK.	5 4 2 2 1 9 1	06/95	Childree			
RRK.	5 4 6 6 3 6 0	11/95	Ehrsam et al			
RRK.	5 6 0 1 6 9 5	02/97	Muranushi			
RRK.	5 6 4 3 4 3 4	07/97	Benmalek et al			
RRK.	6 1 2 9 2 6 2	10/00	Cooper et al			

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RRK.	6 0 6 0 1 7 4	05/00	Sabot et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
RRK.	0 0 7 1 7 8 1	11/00	WO			X	
RRK.	0 2 2 7 2 6 1	07/87	EP			X	
RRK.	1 1 7 6 6 8 8	01/70	GB			X	
RRK.	2 3 5 4 1 7 1	01/78	FR				X
RRK.	2 6 1 7 8 6 8	01/89	FR			Abstract Only	
RRK.	3 8 2 1 0 7 3	01/89	DE			Abstract Only	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

RRK.	Bureau of Mines Technology, "Aluminium Soft-Soldering", 2301 N.T.I.S. Tech Notes (manufacturing), XP-002119816, 1985, January No. 1G, Springfield, VA, pgs. 12-13.
RRK.	Wernick and Pinner, "The Surface Treatment and Finishing of Aluminium and its Alloys", 5 <sup>th</sup> edition, Volume 1, pp. 181-182 and pp. 191-203 (1988) (no month given).
RRK.	Wernick and Pinner, "The Surface Treatment and Finishing of Aluminium and its Alloys", 5 <sup>th</sup> edition, Volume 2, pp. 1006-1022 and pp. 1023-1071 (Ch. 14-15)(Nov. 1988).
RRK.	SAE Paper No. 880446 by B.E. Cheadle and K.F. Dockus, "Inert Atmosphere Fluxless Brazing of Aluminum Heat Exchangers", ICE, Detroit, Michigan, pp.1-11 (Feb. 29-Mar. 4, 1988).
RRK.	Adrianus Jacobus Wittebrood, Jacques Hubert Olga Joseph Wijenberg, Joop Nicolaas Mooij, "Nickel-Plated Aluminum Brazing Sheet" Research Disclosure, No. 439, pp.1946-1947 (November 2000).
RRK.	SAE Paper No. P-263 by Kent Schölin and Bo Mannerskog, "Corrosion Resistant Aluminium Radiator Materials for Vacuum and Controlled Atmosphere Brazing" pp.75-82, 1993 Vehicle Thermal Management Systems Conference Proceedings (no month given).
RRK.	Greef, N. et al, "The Hydrogen Evolution Reaction", Instrumental Methods in Electrochemistry, pp.233-236 (1990) (no month given).

EXAMINER Robert R. Koehler

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<b>RRK.</b>	3 8 9 6 0 0 9	07/75	Kobayashi et al			
<b>RRK.</b>	4 0 9 7 3 4 2	06/78	Cooke et al			
<b>RRK.</b>	4 1 2 6 5 2 2	11/78	Edlund			
<b>RRK.</b>	4 1 7 7 3 2 5	12/79	Roberts et al			
<b>RRK.</b>	4 3 8 8 1 5 9	06/83	Dockus et al			
<b>RRK.</b>	5 6 4 3 4 3 4	07/97	Benmalek et al			
<b>RRK.</b>	5 9 9 7 7 2 1	12/99	Limbach et al			
<b>RRK.</b>	6 1 6 5 6 3 0	12/00	Gehlhaar et al			

FOREIGN PATENT DOCUMENTS

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						YES	NO
<b>RRK.</b>	6 5 5 1 3 4	<del>12/83</del> <b>03/86</b>	CH			Abstract only	
<b>RRK.</b>	9 7 4 3 4 6 7	11/97	WO				
<b>RRK.</b>	7 9 5 0 4 8	<del>9/97</del> <b>06/96</b>	EP				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER **RRK. Koehlb**

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<del>RRK.</del>	3 6 9 2 5 8 3	09/72	Mucenicks et al			
<del>RRK.</del>	3 8 6 2 0 1 8	01/75	Mentone			
<del>RRK.</del>	3 8 8 1 9 9 9	05/75	Toth et al			
<del>RRK.</del>	4 3 9 7 7 2 1	08/83	Exalto et al			
<del>RRK.</del>	4 3 4 6 1 2 8	08/82	Loch			
<del>RRK.</del>	5 2 4 6 5 6 5	09/93	Mignardot			

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		YES	NO											
<del>RRK.</del>	5	4	0	1	3	4	3	0	01/79	JP	—	—	—	X
<del>RRK.</del>		5	1	0	6	0	5	9	04/93	JP	—	—	Abstract Only	
<del>RRK.</del>	1	1	0	9	7	2	9	8	04/99	JP	—	—	Abstract Only	
<del>RRK.</del>		2	0	0	0	5	2	5	01/79	GB	—	—	—	—
<del>RRK.</del>	0	2	0	8	6	1	9	7	10/02	WO	—	—	—	—

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<del>RRK.</del>	US Patent Application Serial No. 10/732,448, WITTEBROOD et al., filed December 11, 2003 (unpublished)
<del>RRK.</del>	US Patent Application Serial No. 10/732,405, WITTEBROOD et al., filed December 11, 2003 (unpublished)

EXAMINER *Robert R. Koelb*

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